Canon

EOS 60D
Specification Sheet

IMAGE SENSOR		
	Type	22.3mm x 14.9mm CMOS
	Effective Pixels	Approx. 18.00 megapixels
	Total Pixels	Approx. 19.00 megapixels
	Aspect Ratio	3:2
	Low-Pass Filter	Built-in/Fixed
	Sensor Cleaning	EOS integrated cleaning system with fluorine coating
	Colour Filter Type	Primary Colour
IMAGE PROCESSOR		
	Type	DIGIC 4
LENS		
	Lens Mount	EF/EF-S
	Focal Length	Equivalent to 1.6x the focal length of the lens
FOCUSING		
	Type	TTL-CT-SIR with a CMOS sensor
	AF System/ Points	9 cross-type AF points (f/2.8 at centre)
	AF working range	EV -0.5 - 18 (at 23ºC & ISO100)
	AF Modes	AI Focus One Shot AI Servo
	AF Point Selection	Automatic selection, Manual selection
	Selected AF point display	Superimposed in viewfinder and indicated on top LCD panel and Quick Control screen
	Predictive AF [7]	Yes up to 8m
	AF Lock	Locked when shutter button is pressed half way in One Shot AF mode or AF-ON button is pressed.
	AF Assist Beam	Intermittent firing of built-in flash or emitted by optional dedicated Speedlite
	Manual Focus	Selected on lens, default in Live View Mode
	AF Microadjustment	No
EXPOSURE CONTROL		
	Metering modes	TTL full aperture metering with 63 zone Dual layer sensor (iFCL) (1) Evaluative metering (linked to all AF point) (2) Partial metering (approx. 6.5% of viewfinder at centre) (3) Spot metering (approx. 2.8% viewfinder at centre) (4) Centre weighted average metering
	Metering Range	EV 0-20 (at 23ºC with 50mm f/1.4 lens ISO100)
	AE Lock	Auto: In One-shot AF mode with evaluative metering exposure is locked when focus is achieved. Manual: By AE lock button in creative zone modes.
	Exposure Compensation	'+/-5 EV in 1/3 or 1/2 stop increments (can be combined with AEB).
	AEB	3 Shots +/-3 EV 1/3 or 1/2 stop increments
	ISO Sensitivity [8]	Auto (100-3200), 100-6400 (in 1/3-stop or whole stop increments) ISO can be expanded to H: 12800
SHUTTER		
	Type	Electronically-controlled focal-plane shutter
	Speed	30-1/8000 sec (1/2 or 1/3 stop increments), Bulb (Total shutter speed range. Available range varies by shooting mode)
WHITE BALANCE		
	Type	Auto white balance with the imaging sensor
	Settings	AWB, Daylight, Shade, Cloudy, Tungsten, White Fluorescent light, Flash, Custom, Colour Temperature Setting. White balance compensation: 1. Blue/Amber +/-9 2. Magenta/ Green +/-9.
	Custom White Balance	Yes, 1 setting can be registered
	WB Bracketing	+/-3 levels in single level increments 3 bracketed images per shutter release. Selectable Blue/Amber bias or Magenta/ Green bias.

VIEWFINDER		
	Type	Pentaprism
	Coverage (Vertical/Horizontal)	Approx. 96%
	Magnification	Approx. 0.95x [4]
	Eyepoint	Approx. 22mm (from eyepiece lens centre)
	Dioptre Correction	-3 to +1 m-1 (dioptre)
	Focusing Screen	Interchangeable (3 types, optional). Standard Focusing Screen Precision Matte Ef-A
	Mirror	Quick-return half mirror (Transmission: reflection ratio of 40:60, no mirror cut-off with EF600mm f/4 or shorter)
	Viewfinder Information	AF information: AF points, focus confirmation light. Exposure information: Shutter speed, aperture value, ISO speed (always displayed), AE lock, exposure level/compensation, spot metering circle, exposure warning, AEB. Flash information: Flash ready, high-speed sync, FE lock, flash exposure compensation, red-eye reduction light. Image information: White balance correction, Card information, monochrome shooting, maximum burst (2 digit display), Highlight tone priority (D+). Composition information: Electronic level (Horizontal only), Battery check
	Depth of field preview	Yes, with Depth of Field preview button.
	Eyepiece shutter	On strap
LCD MONITOR		
	Type	Vari angle 7.7cm (3.0") 3:2 Clear View TFT, approx. 1040K dots
	Coverage	Approx. 100%
	Viewing Angle (horizontally/vertically)	Approx 160°
	Coating	Dual Anti-reflection
	Brightness Adjustment	Adjustable to one of seven levels
	Display Options	(1) Quick Control Screen (2) Camera settings (3) Electronic Level
FLASH		
	Built-in Flash GN (ISO 100, meters)	13
	Built-in Flash Coverage	up to 17mm focal length (35mm equivalent: 28mm)
	Built-in Flash recycle time	Approx. 3 seconds
	Modes	Auto, Manual flash, Integrated Speedlite Transmitter
	Red-Eye Reduction	Yes
	X-sync	1/250sec
	Flash Exposure Compensation	+/- 3EV in 1/2 or 1/3 increments
	Flash Exposure Bracketing	Yes, with compatible External Flash
	Flash Exposure Lock	Yes
	Second Curtain Synchronisation	Yes
	HotShoe/ PC terminal	Yes/ No
	External Flash Compatibility	E-TTL II with EX series Speedlites, wireless multi-flash support
	External Flash Control	via camera menu screen
SHOOTING		
	Modes	Auto, No Flash, Creative Auto, Portrait, Landscape, Close-up, Sports, Night Portrait, Movie, Program AE , Shutter priority AE, Aperture priority AE, Manual, Custom
	Picture Styles	Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined (x3)
	Colour Space	sRGB and Adobe RGB
	Image Processing	Highlight Tone Priority Auto Lighting Optimizer (4 settings) Long exposure noise reduction High ISO speed noise reduction (4 settings) Auto Correction of Lens Peripheral illumination Basic+ (Shoot by ambience selection, Shoot by lighting or scene type) Creative filters (Grainy B/W, Soft focus, Toy camera, Miniature effect) - during image Playback only RAW image processing - during image Playback only
	Drive modes	Single, Continuous L, Continuous H, Self timer (2s+remote, 10s +remote)
	Continuous Shooting	Max. Approx. 5.3fps. (speed maintained for minimum of approx 58 images (JPEG)[1], 16 images (RAW)) [2]

LIVE VIEW MODE		
	Type	Electronic viewfinder with image sensor
	Coverage	Approx. 100% (horizontally and vertically)
	Frame Rate	30 fps
	Focusing	Manual Focus (Magnify the image 5x or 10x at any point on screen) Autofocus: Quick mode, Live mode, Live Face detection mode
	Metering	Real-time evaluative metering with image sensor Active metering time can be changed
	Display Options	Grid overlay (x2), Histogram, Multi aspect ratios, Electronic level
FILE TYPE		
	Still Image Type	JPEG: Fine, Normal (Exif 2.3 compliant) / Design rule for Camera File system (2.0), RAW: RAW, M-RAW, S-RAW (14bit, Canon original RAW 2nd edition), Digital Print Order Format [DPOF] Version 1.1 compliant
	RAW+JPEG simultaneous recording	Yes, any combination of RAW + JPEG, M-RAW + JPEG, S-RAW + JPEG possible.
	Image Size	JPEG 3:2: (L) 5184x3456, (M) 3456x2304, (S1) 2592x1728, (S2) 1920x1280, (S3) 720x480 JPEG 4:3: (L) 4608x3456, (M) 3072x2304, (S1) 2304x1728, (S2) 1696x1280, (S3) 640x480 JPEG 16:9: (L) 5184x2912, (M) 3456x1944, (S1) 2592x1456 (S2) 1920x1080, (S3) 720x400 JPEG 1:1: (L) 3456x3456, (M) 2304x2304, (S1) 1728x1728, (S2) 1280x1280, (S3) 480x480 RAW: (RAW) 5184x3456, (M-RAW) 3888x2592, (S-RAW) 2592x1728
	Movie Type	MOV (Video: H.264, Sound: Linear PCM)
	Movie Size	1920 x 1080 (29.97, 25, 23.976 fps) 1280 x 720 (59.94, 50 fps) 640 x 480 (59.94, 50 fps)
	Movie Length	Max duration 29min 59sec, Max file size 4GB
	Folders	New folders can be manually created and selected
	File Numbering	(1) Consecutive numbering (2) Auto reset (3) Manual reset
OTHER FEATURES		
	Custom Functions	20 Custom Functions with 59 settings
	Metadata Tag	User copyright information (can be set in camera) Image rating (0-5 stars)
	LCD Panel / Illumination	Yes / Yes
	Water/ Dust resistance	Yes [6]
	Sound Memo	-
	Intelligent Orientation Sensor	Yes
	Playback zoom	1.5x - 10x
	Display Formats	(1) Single image with information (2 levels) (2) Single image (3) 4 image index (4) 9 image index (5) Magnified view
	Slide Show	Image selection: All images, by Date, by Folder, Movies, Stills, Rating Playback time: 1/2/3/5/10 or 20 seconds Repeat: On/Off
	Histogram	Brightness: Yes RGB: Yes
	Highlight Alert	Yes
	Image Erase/Protection	Erase: Single image, All images in folder, Checkmarked images, unprotected images Protection: Erase protection of one image at a time
	Data Verification	Original image verification data can be appended to the image (OSK-E3 required for verification)
	Menu Categories	(1) Shooting menu (x4) (2) Playback menu (x2) (3) Setup menu (x3) (4) Custom Functions menu (5) My Menu
	Menu Languages	25 Languages English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Romanian, Ukrainian, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean and Japanese
	Firmware Update	Update possible by the user.

INTERFACE		
	Computer	Hi-Speed USB
	Other	Video output (PAL/ NTSC) (integrated with USB terminal), HDMI mini output (HDMI-CEC compatible), External microphone (3.5mm Stereo mini jack)
DIRECT PRINT		
	Canon Printers	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge
	PictBridge	Yes
STORAGE		
	Type	SD card, SDHC card or SDXC card
SUPPORTED OPERATING SYSTEM		
	PC & Macintosh	Windows XP (SP2/SP3) / Vista inc SP1 (excl. Starter Edition) / 7 (excl. Starter Edition) OS X v10.4-10.6
SOFTWARE		
	Browsing & Printing	ZoomBrowser EX / ImageBrowser
	Image Processing	Digital Photo Professional
	Other	PhotoStitch, EOS Utility (inc. Remote Capture, Original Data Security Tools*), Picture Style Editor * Requires optional accessory
POWER SOURCE		
	Batteries	Rechargeable Li-ion Battery LP-E6 (supplied), built in for date & settings
	Battery life	Approx. 1100 (at 23ºC, AE 50%, FE 50%) [5] Approx. 1000 (at 0ºC, AE 50%, FE 50%)
	Battery Indicator	6 levels + percentage
	Power saving	Power turns off after 1, 2, 4, 8, 15 or 30mins.
	Power Supply & Battery Chargers	AC Adapter Kit ACK-E6, Battery charger LC-E6, Car Battery charger CBC-E6
PHYSICAL SPECIFICATIONS		
	Body Materials	Aluminium and polycarbonate resin with glass fibre
	Operating Environment	0 – 40 ºC, 85% or less humidity
	Dimensions (WxHxD)	144.5 x 105.8 x 78.6mm
	Weight (body only)	Approx. 755g (CIPA testing standard, including battery and memory card)
ACCESSORIES		
	Viewfinder	Eyecup Eb, E-series Dioptric Adjustment Lens Focusing Screens Ef (with Grid Ef-D, Super Precision Matte Ef-S), Angle Finder C
	Case	Leather case EH21-L
	Wireless File Transmitter	Compatible with Eye-Fi cards
	Lenses	All EF and EF-S lenses
	Flash	Canon Speedlites (220EX, 270EX, 380EX, 420EX, 430EX, 430EX II, 550EX, 580EX, 580EX II, Macro-Ring-Lite, MR-14EX, Macro Twin Lite MT-24EX, Speedlite Transmitter ST-E2)
	Battery Grip	BG-E9
	Remote Controller/ Switch	Remote Switch RS-60E3, Remote Controller RC-6/RC-1/RC-5
	Other	Hand Strap E2, Original Data Security Kit OSK-E3

All data is based on Canon standard testing methods except where indicated.
Subject to change without notice.

[1] Large/Fine(Quality 8) resolution
[2] Based on Canon's testing conditions, JPEG, ISO 100, Standard Picture Style.
[4] with 50mm lens at infinity, -1m-1 dpt
[5] Based on the CIPA Standard and using the batteries and memory card format supplied with the camera, except where indicated
[6] Memory card and battery door only
[7] with EF300mm f/2.8L IS USM at 50kph
[8] Recommended Exposure Index